

U. S. DEPARTMENT OF ENERGY
ROCKY FLATS PLANT
ENVIRONMENTAL RESTORATION PROGRAM WEEKLY REPORT
WEEK ENDING AUGUST 6, 1993

Section I - Interagency Agreement (IAG)

OU 1 - 881 Hillside-Phase III Resource Conservation and Recovery Act (RCRA)

Facility

Remedial Investigation (RI)

The final responses to comments on the ecological risk assessment portion of the RI were submitted to the regulatory agencies this week for their informal review. On other portions of the RI report, work is proceeding on schedule. EG&G direction and review is proceeding on nature and extent portions of the report.

Modifications to two contracts are underway this week. The protracted discussions with the regulatory agencies over the contaminant methodology has resulted in portions of work being redone, and other portions stalled. EG&G Procurement is working to modify the contract for the environmental evaluation (EE) work. The RI report modification was awarded last week. The proposal for the EE modification was received this week and the technical evaluation is underway.

Feasibility Study/Corrective Measures Study (FS/CMS)

Work on the FS is underway. Technical Memorandum (TM) #10, *Preliminary Remediation Goals*, is currently under revision. EG&G is currently reviewing the revised initial screening of technologies and process options.

OU 1, 881 Hillside Interim Measures/Interim Remedial Action (IM/IRA) Treatment Building 891

Effluent Tank T-207 is currently being filled. T-205 was sampled for Volatile Organic Carbons (VOCs) and dissolved iron to verify the quality of water for possible discharge. The remainder of T-206 water will soon have to be discharged in order to utilize this storage capacity.

Pump P-102 (French Drain sump pump) remains inoperable. In addition, problems relating backing to the lightning strike in mid-July 1993 remain unsolved. Leak detection alarms that were set off by the lightning, are indicated at three out of five locations on the influent piping. However, manual checks of the leak detection system indicate that all locations are dry. Also, the PA system remains inoperable and the French drain sump pumps (only P-101 working at this time) will not function in the auto position. It was discovered that the counter that times the pump (Pump # P-100) time for the recovery well (CW001) on the 881 Hillside has been counting abnormally long run times. The computer identified the first instance of this problem at the same time as the occurrence of the lightning strike. Approximately 330 hours of run time were counted in April 1993. It was verified on one instance that there was no water pumping during the latter portion of a counting sequence. However, it is unclear whether the pump was actually pumping with no water in the well, or whether the signal for the counter to stop counting was not received by the logic controller. Investigations will be made next week to identify the problem. Currently, the well level is being monitored, and the pump will be run in the manual mode, if needed. The Second Quarterly report for 1993 was submitted to RFO on July 30, 1993.

Approximately 25,000 gallons of additional water (reflected in "Total treated to date" number in this week's highlights) was treated during the week of July 19, 1993, that was not counted in that week's highlights.

The automatic nitrogen fill system for the gamma analyzer was installed and is now operational.

Total Treated Ground Water for OU 1

Treated ground water this week: 29,000 gallons

Total treated to date: 1,524,000 gallons

OU 2 - 903 Pad, Mound, East Trenches Area

Remedial Assessment

Demobilization of the field program is continuing along with slug testing for the remaining wells. Development of the B-series well is continuing.

A meeting was held August 6, 1993, to discuss posting requirements for the americium zone.

Subsurface IM/IRA

Shop operational testing of the Mobil Soil Vapor Extraction Unit (MSVEU) has started. The MSVEU was accepted by RFP on August 3, 1993.

The Health and Safety Plan (HSP) has been developed and reviewed. The plan was finalized on August 5, 1993. Field permits were acquired with the exception of the excavation permit, which is expected on August 5, 1993.

A draft of the IM/IRA Implementation and Operation Plan for the Soil Vapor Extraction Pilot Test has been reviewed by EG&G and comments are being incorporated prior to review.

The draft Project Management Plan (PMP) has been developed and is undergoing EG&G review.

Efforts continue to subcontract the detailed portion of the Soil Vapor Survey (SVS).

Surface Water IM/IRA

There will be no action on finalizing the Draft OU 2 Surface Water IM/IRAP Treatability Study Report until comments are received from the regulatory agencies.

Surface Water Interim Measure/Interim Remedial Action Plan (IM/IRAP)

Two 55-gallon drums of sludge from the Field Treatability Unit (FTU) were packaged this week.

Flows are decreasing due to warmer weather. A rigorous preventive maintenance program has been implemented to assure proper maintenance, calibration, and performance of all equipment. The Rads Removal System has been repainted as part of the preventative maintenance program.

Standard Operating Procedures (SOPs) are being incorporated into daily operations. Currently, activities are referred to in the Operations and Maintenance (O&M) Manuals.

The Quarterly Operations Report for the OU-2 FTU was submitted on August 2, 1993.

Waste minimization is a crucial issue for the RFO. The current OU 2 FTU subcontractor for operations and maintenance has proposed simple changes to the FTU that would reduce the amount of sludge by 40 to 50 percent. This would eliminate roughly 80 to 90 55-gallon mixed waste drums per year from the FTU. The proposed changes would reduce the amount of calcium hydroxide (Lime) by 50 percent (lime currently accounts for 88 percent of the sludge volume), thus significantly reducing sludge generation. In order to keep the pH in the tank that the lime is injected into within specifications, small amounts of caustic would be injected through a metering pump. It is estimated that the costs for implementing this change would be less than \$1,000 and take less than one week (including testing) to implement. This method is currently used in several other systems similar to the one located at OU 2. RFO will be presented with this proposal.

A request is being made to reduce sampling at the OU 2 FTU. Since most of this sampling was performed in the past to provide data for the OU 2 Treatability Study Report (draft submitted on July 13, 1993), there is no need to continue the intense and costly sampling. Sampling can be curtailed to a bare minimum, while still maintaining control over the system performance and remaining in compliance with the Interim Remedial Action Plan (IRAP) for the OU 2 FTU.

Since the weekly sample taken at the effluent of the lead Granular Activated Carbon (GAC) unit is used to monitor the performance of the GAC, monitoring is still required at this location. Onsite gas-chromatograph equipment will be substituted for the costly offsite samples that are currently being taken. This will eliminate 52 VOC samples per year.

Total Treated Surface Water for OU 2

| | |
|--|--------------------|
| Tasks treated surface water this week: | 95,470 gallons |
| Total treated water to date: | 17,137,130 gallons |

OU 3 - Offsite Areas

The Area of Concern (AOC) document has been revised based on comments from the regulatory agency. This AOC document was delivered to the regulatory agencies on July 30, 1993. Approval is expected following the second submittal of this document. No specific schedule is attached to this documents.

OU 4 - Solar Evaporation Ponds Phase I RFI/RI Program

Vadose zone monitoring continues as required in TM #1 in the form of neutron probe analysis, lysimeter sampling, and water level measurements.

The preparation of TM #6, *Contaminants of Concern*, continues.

Data evaluation and report writing continues for the OU 4 Phase I RFI/RI program. Approximately 95 percent of the data is in for all analytes except metals. Approximately 55 percent of the data is in for the metals.

The Seismic Refraction Survey Report was submitted on July 21, 1993. EG&G reviewed and commented on the report and the report is being finalized.

The draft horizontal drilling TM was submitted for review and comment on July 30, 1993.

The proposal for the IM/IRA was submitted on July 25, 1993.

EG&G continues to develop a draft "Streamline" IM/IRA schedule in support of the dispute resolution on the OU 4 Phase I RFI/RI Reports.

OU 5 - Woman Creek

The aquifer testing is in progress, and should be completed by August 10, 1993. This is the last of the scheduled field work for the OU 5 Phase I RFI/RI Report.

Draft TM #12, *Exposure Scenarios*, is still at the regulatory agencies for review. They received copies of the TM on July 7, 1993. The regulatory agencies have said that the review of the TM would be completed by August 12, 1993.

RFO is scheduled to review the Draft TM #13, *Modeling*, on August 5, 1993.

OU 6 - Walnut Creek

RFO comments on TM # 3, *Modeling Surface and Ground Water*, have been incorporated into the Draft Final for review by the regulatory agencies. The TM was delivered to the regulatory agencies on July 28, 1993. Comments from the regulatory agencies on TM #3 are due September 6, 1993. Comments from the regulatory agencies are overdue on TM #2, *Exposure Scenarios*; comments were due by July 28, 1993. RFO was informed by EPA that comments would be late.

Work continues on database tables to sort data by individual hazardous substance sites (IHSSs) and contaminants.

OU 7 - Present Landfill

Further work on the OU 7 RFI/RI Report is being impacted due to the lack of resolution on techniques for comparisons of site data to background concentrations. Initial guidance is to implement the recently approved OU 7 process flowchart for background comparisons.

OU 8 - 700 Area

The revised HSP for implementation of nonintrusive field work for the Industrial Area/Operable Units (IA/ OUs) 8, 9, 10, 12, 13, 14 will be received by RFO after all EG&G revisions have been incorporated into the final draft HSP.

EG&G held a kick-off meeting with the implementing subcontractor for the field work in the IA on August 4, 1993.

OU 9 - Original Process Waste Lines (OPWL)

Site walk portions of data compilation began, which includes visiting each tank site to prepare a sketch map and indicate specific locations to take soil samples, residue samples, etc. Tanks in 100 Area, north of 771, and east of 774 were visited. This data compilation will form the basis for TM #1, *Field Sampling Plan, Part 1 Tanks*. Within TM #1, Part 1 for each tank site, the following will be covered: Work Plan, Work Plan Appendices, IAG Table 5, Historical Release Report, Site Walk Results, and will conclude with what will be proposed at this site, what samples will be collect where, and what analytes will be run.

OU 10 - Other Outside Closures

Evaluation of the High Purity Germanium (HPGe) spectra for OU 10 continues. It is anticipated that all of the data acquired to date will be completely analyzed by the middle of August 1993. This will provide the technical direction for additional HPGe surveys, if needed. All HPGe surveys have been completed outside the Protected Area (PA). HPGe surveys for all PA IHSSs for OU 10 will be completed during August 1993.

The final contract award for the IA OU field work has not yet occurred. It is anticipated that the final award will occur August 13, 1993. Work on implementing of the OU 10 field activities has begun. Actual sampling, however, won't occur until the final contract award.

Waste Removal Status for IHSSs 170/174 and 176

RFO received a detailed estimate of the total hours required for removal of storage items in IHSSs within OU 10 on August 2, 1993. No consideration was given for removing materials during the remainder of FY93, due to delays in implementing the IA subcontract and limited funding. All remaining materials will be removed during FY94. Field activities are being scheduled around waste removal activities.

OU 11 - West Spray Field

The streamlining proposal is under development for OU 11. As it now stands, it appears that some degree of vadose zone monitoring would be beneficial to support the investigation. Other techniques being scoped out include some degree of soil borings, surficial soil sampling, and ground water sampling. Exact numbers are yet to be determined. A draft will be completed by early next week.

OU 12 - 400/800 Area

The procurement package for implementation of the IA EE was submitted to Procurement on July 21, 1993. One EE will be conducted for the entire IA, but it will support the information required in the Phase I RFI/RI Work Plans for OUs 4, 8, 9, 10, 12, 13, and 14. The implementation will be conducted by using the OU 9 EE TM. The sole source justification for the EE was returned by Procurement on July 30, 1993, because the justification was not strong enough and had to be rewritten. The Justification for Non-Competitive Procurement (JNCP) was rewritten and resubmitted to Procurement on August 3, 1993.

An extension letter request was drafted in order to extend the draft and final RFI/RI Report dates. The extension is requested due to the delays in procurement of the field work subcontract and the linkage of IHSS cleanup to decontamination and decommissioning (D&D)/Transition.

A kickoff meeting was held on August 4, 1993, for the nonintrusive field work activities subcontract. The agenda included identification of personnel and training requirements, status of the Standard Operating Procedures (SOPs) being developed, and equipment needed and available from EG&G.

OU 13 - 100 Area

Comments from CDH were received on Draft SOPs for tank and pipeline inspections and asphalt and concrete sampling. Formal comments from the regulatory agencies are due to RFO by August 13, 1993.

RFO received the final revision of the OU 13 Final Phase I Work Plan on July 26, 1993. The approval of the OU 13 Work Plan promised at the June 15, 1993, meeting with the regulatory agencies and RFO has not been received.

A memorandum was signed that authorizes up to 80 hours of funding from the OU 13 Work Package to complete, revise, and finalize the laboratory HPGe procedures.

HPGe activities in OU 13 are underway. A memorandum to area management and security alerting them to these activities was sent August 2, 1993. Some temporary movement of materials in IHSS 134 may be required. Plant support services are coordinating material movement.

OU 14 - Radioactive Sites

The activities for FY94 continue to be entered into a software scheduling program, along with the logic ties, to facilitate the integration of activities with the other Integrated OUs 8, 9, 10, 12 and 13. This exercise will lead to development of the scope and schedule for activities beginning in FY95 and beyond.

OU 15 - Inside Building Closures

The Integrated Work Control Packages (IWCPs) for OU 15 fieldwork within Buildings 881, 865, 883, and 447 have been approved. Removable radiological surveys (i.e., smear sampling) within IHSSs 178, 211, and 217 have been completed within Building 881. Floor/equipment hot water rinsate sampling within Building 881 has been initiated and is expected to be completed next week. Lockout/Tagout of the chemical hood IHSS 217 was completed prior to rinsate sampling of the hood.

Outstanding Quality Assurance and Operational Readiness Review items were completed as scheduled on August 3, 1993. Outstanding items included approval of Document Change Notices (DCN's) for the OU 15 Phase I RFI/RI Work Plan to clarify which SOPs will be utilized for fieldwork inside buildings versus fieldwork outside of buildings.

Delays to OU 15 fieldwork are anticipated due to the lack of available EG&G resources or EG&G prioritization of resources necessary to implement the OU 15 Work Plan. Instead of the same EG&G Radiological Protection Technicians (RPTs) being assigned each day to perform OU 15 work, new RPTs are being assigned each day to OU 15. Using new RPTs each day results in the loss of approximately 0.5 days each work day in order to meet SOPs requirements and train new RPTs (i.e., daily Pre-Evolution Briefings, and Site Specific Health and Safety Plan training). EG&G upper management is aware of this problem.

OU 16 - Low Priority Sites

The proposed release date of July 6, 1993, of the OU 16 Proposed Plan/Draft RCRA Permit Modification will be rescheduled to allow further review time for RFO, DOE Headquarters (HQ), EG&G. The EPA project manager continues to incorporate comments being provided from within that agency.

Integrated Operable Units - OUs 8, 9, 10, 12, 13 and 14

Site tours were held for OU 8 on August 2, 1993.

Based on the second subcontract negotiations meeting for the IA OU contract on July 9, 1993, a revised cost evaluation is being performed by EG&G Procurement. The letter subcontract initiated on May 13, 1993, was expanded on July 13, 1993, to allow the subcontractor to begin work on all tasks for the IA OUs. Official contract award will follow completion of the cost evaluation and is anticipated by August 13, 1993.

OU schedules will be integrated for the IA OUs for FY94. Each IA OU schedule for FY94 will be linked together through the work package system.

HPGE surveys for OU 12 were completed on July 27, 1993. The HPGe unit will begin work on OU 13 next week.

The cost estimate for removal of materials covering all the IA OU IHSSs was submitted by EG&G Plant Services Support. An estimated \$1.2 million will be necessary to remove materials to support environmental investigation of the IA OUs.

Industrial Area (IA) Interim Measures/Interim Remedial Action Plan (IM/IRAP)

A Statement of Work (SOW) is being written to address the new scope and schedule for the IA IM/IRA. This scope and schedule has received verbal approval from the regulatory agencies. Written approval is expected later this week. The SOW is to be completed and submitted for review by the end of the week. Work package revision is also continuing and should be completed this week.

Sitewide Activities

Sitewide Work Packages

This is the work package that supports the Sitewide Treatability Studies. The budget for this work package for FY93 has been increased. The added funds are to provide contract support for the risk assessment and analysis activities for the OUs.

The first draft of the FY94 work package was completed and submitted to the review process on June 18, 1993. The package has completed reviews at the group level, preliminary RFO level, EG&G AGM level, and plant level without major comment.

Annual Report

The Sitewide Treatability Studies annual report is an IAG milestone. The annual report includes a summary of the status of each of the sitewide projects, a literature review of new and emerging technologies, and a summary of other relevant environmental projects at RFP. The final report (FY92) was delivered to the regulatory agencies on March 8, 1993.

The technical review of the three contractor proposals for the preparation of the Annual Report was completed on July 29, 1993. The result of the technical review was that all three proposals were found to be inadequate. The problem with each of the proposals was that the proposal focused only on one of the technical requirements in the SOW, the technology review requirement, and did not address any of the other requirements for the annual report. A meeting was held among EG&G EE&T and EG&G Procurement to discuss the technical review evaluation and what to do to correct the problem. It was decided to put the proposal out for rebid and to add another area from the MTS list as potential proposers. The new proposals are due back on August 16, 1993, reviews should be completed by August 25, 1993, leaving sufficient time for the contract to be awarded before the October 1, 1993 beginning date.

Pu in Soils - Physical Separation (TRU/Clean)

The TRU/Clean process (physical separation) was identified in the Final Sitewide Treatability Plan for further test work and evaluation to determine how effectively it might remove plutonium contamination from Rocky Flats' soils. Initially, this test work was planned to be a part of the Plutonium in Soils Integrated Demonstration (ID), but the ID was put on hold. Therefore, RFP has contracted with Lockheed Environmental Systems and Technologies Company to conduct testing of the TRU/Clean process with Rocky Flats' soils.

Phase II testing is continuing and should be completed by August 13, 1993, along with a preliminary report. Discussion with the Los Alamos Technology Office (LATO) was started, and a soil sample was sent from the Lockheed test material to LATO for additional testing. Time and costs were saved by not collecting and shipping a new soil sample. The additional tests that have been proposed to be carried out at LANL are magnetic separation and bio-reduction of the plutonium.

The Plutonium in Soils ID is planning to do some test work in the laboratory located in Reno, Nevada. On August 3, 1993, a discussion among EG&G and a Pu in Soils ID representative was held concerning the soil sample that the test work will require. Apparently, the test work will require about 4,000 pounds of material. During the discussion, the Pu in Soils ID representative was not able to address the following concerns: 1) QA requirements for the test work. 2) Plans for residual handling and disposal. 3) Desired Pu activity in the soil for the test work. In addition, there was no indication of the current testing schedule or how the results of the test work will be reported.

Lockheed Plasma Melter

Lockheed Environmental has asked EG&G Rocky Flats to participate in a plasma melter demonstration project along with EG&G Idaho. The purpose of the project is to investigate the performance of plasma melting technology for the destruction of hazardous organic compounds in soils and to determine the characteristics of the vitreous waste form produced by the process. EG&G Rocky Flats will contribute plutonium contaminated soil for bench scale testing.

The Pu-solubility in TEA testing was performed at Lockheed Environmental as scheduled in mid-July 1993.

Lockheed has experienced public relations problems that may prevent it from performing the plasma melter testing at the Las Vegas facility. If the testing at Lockheed cannot be performed, that phase of testing will be transferred to the Argonne Laboratories in Idaho. Lockheed is waiting for a decision on this subject from the State of Nevada risk assessment before it can proceed. This decision was expected on August 2, 1993, but has yet to be received. Whatever the outcome, the plasma melter testing has been delayed until November 1993.

An EG&G representative will be visiting the plasma melter facility operated by ReTech, in Ukiah, California, on August 9 through 14, 1993.

Other Activities

ER Five-Year Plan (FYP) EM-40 Baseline

The ER FYP baseline revisions are continuing to incorporate current budget/schedule changes. RFO received a draft of the EM-40 baseline in June 1993, and a second draft incorporating all approved change controls was received in July 1993.

Implementation of RFO Program Management Requirements

Development of the Environmental Restoration Configuration Management Plan (CMP) is in progress. A flow chart of the configuration change control process has been drafted. An annotated outline of the CMP has been developed and a review of the requirements continues.

Development of the Environmental Restoration Project Control System Description (PCSD) is in progress. An annotated outline has been developed for the PCSD and issued to EG&G. A draft of the guideline for the development of the work breakdown structure (WBS) has been issued for EG&G review. A draft of the guideline for the preparation of organizational roles and responsibilities has also been issued to EG&G for review. The draft guideline for project baseline development is in progress and will be issued for EG&G review next month.

Integrated Planning Process

The Integrated Planning Team (IPT) met to discuss and agreed upon a definition for the Integrated Planning Process (IPP), which has been evolving since the project began in March 1993.

A subgroup of the IPT met to discuss and finalize the content and format of the FY93 Interim Integrated Roadmap, which is due to DOE-HQ on September 30, 1993.

Environmental Quality Support (EQS)

The RFO Quality Assurance Requirements Description (QARD) was submitted to EG&G EQS for review with a response due to RFO on August 12, 1993. The draft QARD defines the systems and philosophy needed to implement a quality program for Environmental Restoration Management (ERM).

DOE Headquarters (HQ) Review

DOE HQ review of work packages was accomplished on August 2, 1993.

Main Decontamination Facility (MDF)

A walkdown of the decontamination operation inventory was conducted by Procurement. The inventory control was found to be more complete than the previous inspection held.

The MDF is RCRA inspected daily. Environmental and radiological readings were at background levels.

The MDF was inspected and pictures were taken by RFO on July 28, 1993, during the decontamination of a drilling rig. The purpose of this visit was to observe the operation and to observe compliance with OSHA regulations.

IDM Management

RCRA Unit 18.03 has 42 OU 1, 124 OU 2, 4 Well Abandonment and Replacement Program (WARP), 214 OU 5-OU 6, 92 OU 7, 167 Decontamination Pad, 294 OU 2 BR (Bedrock), and 2 Ebasco Underground Storage Tank (EB-UST) drums for a total of 939 drums stored in it. Forty-four of the 553 that were Real-Time Radiographed (RTRd) have detectable water. RCRA Unit 18.04 has 44 OU 2 BR, 32 OU 5, and 32 Jacobs Engineering (JE) WARP drums for a total of 108 drums stored in it. One hundred sixteen drums from RCRA Unit 18.03 (with no exceedances), the Facility Operations Yard, and the soil are being readied to be disposed of in the landfill. Two hundred sixteen drums with potential exceedances from the OU 1, OU 2, and Sitewide drilling programs have been marked and are being monitored by EG&G Radiation Protection Technicians (RPT) and are being painted by EG&G painters in preparation to be shipped to RCRA Unit 18.03. One hundred eighty drums from OU 2-BR are presently being stored at RCRA Unit 1940 and are being readied to be shipped to RCRA Unit 18.03 or RCRA Unit 18.04. Six Hundred sixty-eight drums in the field with no exceedances are being marked with yellow tape and monitored by RPTs in preparation of removal from the field and disposal in the landfill. For the Treatability Study, 5-gallon drums were shipped to Los Alamos National Laboratory (LANL) on August 2, 1993.

There are 1,833, 55-gallon drums and 1,696, 30-gallon drums for a total of 3,529 environmental gray drums. Weekly RCRA inspections were completed. Monthly and weekly drum inspections were completed for the month of July 1993 and have been started for the month of August 1993.

Section II - Solar Ponds Remediation Project (SPRP)

Regulatory

RFO has requested that EG&G prepare an annual report on the status of mitigation measures included in National Environmental Policy Act (NEPA) documents, and EG&G is beginning to draft the report for FY93. Of the 66 individual mitigation commitments included in the Solar Ponds Environmental Assessment for preclosure activities, 27 remained open in FY93. Nineteen of these open commitments were expected to be closed based on the completion of start-up activities. The remaining group of eight commitments are related to management of the empty impoundments and will be addressed with other closure issues. Current plans for completion will be documented in the annual report.

A failure occurred on July 20, 1993, in the pipeline from the Modular Tanks to Building 910. The RCRA Contingency Plan Implementation Report and Back-up Data Report were completed on time and submitted to RFO. No noncompliant situation is outstanding as a result of the occurrence, and the facility is expected to be in compliance when returned to operation. The return to operation is tentatively scheduled for mid-August 1993.

Pondsludge Status and Issues

Work continued on the study of accelerated pond closure. Conceptual design of the pumping and storage of sludge in containers on the 750 Pad has begun. Materials compatibility studies were completed with the conclusion that B-Pond sludge cannot be stored in unlined steel containers. Vertical poly tanks were chosen as the new design basis container. The poly tanks will have double containment (a tank within a tank) and leak detection in the annular space between the tanks. These tanks are available in various heights that could be tailored to meet the different amounts of head space available across the cross section of the storage tents.

Water Management status and issues

| | This Week | Total (since 4/1) |
|---|------------------|------------------------------|
| Pond water to Bldg. 374 : (gal) | 0 | 1,405,000 |
| Modular tank water to Bldg. 374: (gal) | 0 | 331,000 |
| Modular tank water to Bldg. 910: (gal) | 0 | 60,000 |
| Pond water & sludge volume: (gal, Approx) | 1,273,000 | xxx |
| Interceptor Trench Flow: (gal) | 15,750 | xxx |
| Available Modular Tank Volume: (gal) | 572,500 | (926,500 max) |

Ponds 207 A and 207 B center empty & dry

The Building 374 evaporators are down again due to sludge in the tubes. This is a continuing problem and may require the cleaning of the 231 B tank as part of the final solution. No pond water was pumped to Building 374 this week and none is scheduled for next week.

The Building 910 evaporators are not being operated due to the ruptured feed line and adequate storage capacity. The repair of this line is underway. The break in the primary line was at a weld approximately half way between pump houses 308 B and 308 A. As a part of this activity, all alarm systems will be repaired and tested before the line is placed in service again. Scheduled completion for this work is August 17, 1993.

The 207 B North pond was empty of sludge on July 30, 1993. Water from 207 B South is being pumped to the North pond so that a more accurate assessment of the total sludge volume may be made. When this assessment is complete, the water will be pumped back to the South pond and the North pond will be rinsed for the final time. This should be completed and the pond turned over to Rocky Flat's Radiological Operations Department for surveying no later than August 20, 1993.

The laboratory has begun sampling and analysis in support of Building 910 operations. The SPP will prepare a final revision of the sampling and analysis program document based on the experience gained

by the laboratories' staff in the initial sampling event, and Waste Operations will manage routine implementation of the sampling with the laboratories. EG&G plans to store all this analytical data to demonstrate compliance with the Building 910 IM/IRA in the Rocky Flats Environmental Database (RFED) per plant procedure for future use.

Section III - Surface Water Management

Pond Water Management IM/IRA

RFO received the quarterly Project Status Report for the Pond Water Management IM/IRA decision document on July 30, 1993.

The IM/IRA narrative and numeric water quality criteria, the listing of potential IM/IRA options, and the screen that will be used to filter and select the options have been reviewed and finalized.

Section IV - Meetings

Integrated Planning Process

The Integrated Planning Team (IPT) met to discuss and agreed upon a definition for the Integrated Planning Process (IPP), which has been evolving since the project began in March 1993.

A subgroup of the IPT met to discuss and finalize the content and format of the FY93 Interim Integrated Roadmap, which is due to DOE-HQ on September 30, 1993.

Section V - Future

Community Relations

The ER Community Relations Plan is scheduled to be updated sometime in December 1993. A questionnaire is being developed to send to 35 citizens who will compose a focus group to help revise the plan.

Upcoming Events

| | |
|-----------------|---|
| August 17, 1993 | (Tentative) Public Open House for Programmatic Environmental Impact Statement (PEIS) for Reconfiguration of the Weapons Complex, time and location TBD. |
| August 18, 1993 | (Tentative) Public Scoping Meeting to prepare PEIS for Reconfiguration of the Weapons Complex, at 9:00 a.m. to 9:30 a.m., location TBD. |
| August 21, 1993 | ComRad Environmental Monitoring Station Open House, Northglenn, 11:00 a.m. - 3:00 p.m., Northglenn Recreation Center, Northglenn, CO. |
| August 24, 1993 | Environmental Surveillance Exchange of Information Meeting, 1:30 p.m., Broomfield City Council Chamber, No. 6 Garden Office Center, Broomfield, CO. |
| August 28, 1993 | ComRad Environmental Monitoring Station Open House, Westminster, 11:00 a.m. - 3:00 p.m., Country Side Recreation Center, Westminster, CO> |

IAG MILESTONES THROUGH FISCAL YEAR 1994

| <u>OU#</u> | <u>Milestone Description</u> | <u>Date Due to EPA/CDH</u> | <u>Status</u> |
|------------|---------------------------------------|----------------------------|-----------------------------|
| 2 | Submit Draft Phase II RFI/RI Report | 12 Mar 93 | Delinquent |
| 2 | Submit Draft Treatability Test Report | 18 May 93 | extended to 13 Jul 93 |
| 4 | Submit Draft Phase I RFI/RI Report | 21 May 93 | extended to 14 Sep 93 |
| 2 | Submit Subsurface Test Plan Site #2 | 24 June 93 | Complete |
| 2 | Submit Final Treatability Test Report | 13 Jul 93 | extended to 8 Sep 93 |
| 3 | Submit Draft Phase I RFI/RI Report | 16 Jul 93 | extension request submitted |
| 6 | Submit Draft Phase I RFI/RI Report | 4 Aug 93 | extension requested |
| 2 | Submit Final Phase I RFI/RI Report | 9 Aug 93 | * |
| 7 | Submit Draft Phase I RFI/RI Report | 12 Oct 93 | * |
| 4 | Submit Final Phase I RFI/RI Report | 18 Oct 93 | extended to 14 Feb 94 |

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|----|--|-----------|-----------------------|
| 2 | Submit Draft CMS/FS Report | 4 Nov 93 | * |
| 1 | Submit Final Phase III RFI/RI Report | 04 Jan 93 | extended to 15 Nov 93 |
| 5 | Submit Draft Phase I RFI/RI Report | 30 Nov 93 | * |
| 3 | Submit Final Phase I RFI/RI Report | 13 Dec 93 | extension request |
| | | | submitted |
| 1 | Submit Draft Proposed Plan | 27 Sep 93 | extension request |
| | | | submitted |
| 1 | Submit Final Proposed Plan | 4 Jan 94 | extension request |
| | | | submitted |
| 6 | Submit Final Phase I RFI/RI Report | 7 Jan 94 | extension requested |
| 1 | Submit Draft CMS/FS Report | 03 Mar 94 | extended to 11 Feb 94 |
| 8 | Submit Draft Phase I RFI/RI Report | 14 Feb 94 | * |
| 7 | Submit Final Phase I RFI/RI Report | 16 Mar 94 | * |
| 9 | Submit Final Phase I RFI/RI Report | 11 Apr 94 | * |
| 4 | Submit Draft Phase I Proposed IM/IRA | 14 Apr 94 | * |
| | Decision Document | | |
| 12 | Submit Draft Phase I RFI/RI Report | 20 Apr 94 | * |
| 4 | Submit Draft Phase II Work Plan | 22 Apr 94 | * |
| 5 | Submit Final Phase I RFI/RI Report | 3 May 94 | * |
| 1 | Submit Draft Responsiveness Summary | 6 May 94 | * |
| 2 | Submit Final CMS/FS Report | 10 May 94 | * |
| 2 | Submit Draft Proposed Plan | 10 May 94 | * |
| 8 | Submit Final Phase I RFI/RI Report | 12 Jul 94 | * |
| 15 | Submit Draft Phase I RFI/RI Report | 1 Aug 94 | on schedule |
| 1 | Submit Final CMS/FS Report | 3 Aug 94 | * |
| 1 | Submit Final Responsiveness Summary | 3 Aug 94 | * |
| 1 | Submit Draft CAD/ROD | 3 Aug 94 | * |
| 13 | Submit Draft Phase I RFI/RI Report | 8 Aug 94 | * |
| 2 | Submit Final Proposed Plan | 9 Aug 94 | * |
| 10 | Submit Draft Phase I RFI/RI Report | 25 Aug 94 | * |
| 9 | Submit Final Phase I RFI/RI Report | 6 Sep 94 | * |
| 4 | Submit Draft Phase I Proposed IM/IRA | 14 Apr 94 | * |
| | Decision Document | | |
| 7 | Submit Draft Phase II RFI/RI Work Plan | 13 Sep 94 | * |
| 12 | Submit Final Phase I RFI/RI Report | 15 Sep 94 | * |
| 4 | Submit Final Phase II RFI/RI Work Plan | 19 Sep 94 | * |
| 11 | Submit Draft Phase I RFI/RI Report | 20 Sep 94 | * |

*Behind original IAG schedule; extension required.